

STEREO MOC Status Report
Time Period: 2011:339 - 2011:345

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:
 - On day 340, the second data flow test was successfully conducted between the ESA reference test station, via the DSN, and the STEREO MOC on AHEAD.
 - On day 342, during the DSS-26 support, turbo decoder lock was lost briefly at 1904z. This anomaly resulted in the loss of one frame of SSR data. See DR# N107806 for more information.
 - On day 345, during the DSS-43 support, turbo decoder lock was lost briefly at 0050z and again at 0132z. This anomaly resulted in the loss of six frames of SSR data. A DR has been requested.
2. The following spacecraft/instrument events occurred during this week:
 - On day 341, MOps permanent macro release 1.1.14 was loaded to C&DH RAM. This release modified a star tracker contingency macro to collect more diagnostic data during a star tracker reset.
 - The average daily SSR playback volume for Ahead was 5.3 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:
 - On day 340, during the DSS-15 support, turbo decoder lock was lost briefly at 1847z and again at 1908z. This anomaly resulted in the loss of 295 frames of SSR data. A DR has been requested.
 - On day 342, during the DSS-63 support, turbo decoder lock was lost briefly at 1257z and again at 1607z. This anomaly

resulted in the loss of three frames of SSR data. See DR# N107807 for more information.

- On day 343, the DSS-55 support was shortened by one hour to duration of 2.9 hours and the DSS-26 support was shortened by 30 minutes to duration of 4.5 hours to assist the Kepler mission with safe mode recovery. All SSR data was received.

2. The following spacecraft/instrument events occurred during this week:

- On day 341, MOps permanent macro release 1.1.14 was loaded to C&DH RAM. This release modified a star tracker contingency macro to collect more diagnostic data during a star tracker reset.
- On day 342, a battery conditioning event was successfully conducted on the BEHIND spacecraft to redistribute the electrolytes within the nickel hydrogen battery cells.
- The average daily SSR playback volume for Behind was 4.8 Gbits during this week.